

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows.

1. (Currently Amended) An image recording apparatus, comprising:

a recording portion being supplied with power to record at least digital image information in a recording medium by files of fixed length; and

a control unit operating when being supplied with said power to control said recording portion,

wherein said control unit ~~including~~ comprises

recovery means for controlling said recording portion, when a power supply to said control unit is started and if a previous power supply is found to be interrupted during a recording operation, to retrieve a file having been recorded at the interruption of the power supply from said files and to terminate a process of recording data into the retrieved file as a file of fixed length so as to be readable and writable ~~close the retrieved file so as to be readable/writable, and~~

wherein each of said files of fixed length is associated with address information in the recording media and scheduling information for scheduling said recording operation by said recording portion.

2. (Currently Amended) The image recording apparatus according to claim 1, wherein

said control unit further ~~includes~~ comprises

flag setting means for setting a pre-prepared flag during a period in which power is supplied to said recording portion, and for resetting said pre-prepared flag when power to said recording portion is interrupted, and

power interruption detecting means for detecting, when a power supply to said control unit is started and if said flag is determined to be set, an interruption of a previous power supply during a recording operation.

3. (Currently Amended) The image recording apparatus according to claim 2, wherein

recorded contents of said recording medium are retained after the interruption of the power supply,

wherein said control unit further ~~including~~ comprises

an information storing portion retaining pre-recorded information during a period in which power is supplied to said control unit,

scheduling information recording means for accepting the scheduling information ~~for scheduling said recording operation by said recording portion~~ and recording the accepted scheduling information in said recording medium and in said information storing portion, and

supply start time recording means for recording said scheduling information read from said recording medium in said information storing portion, when a power supply to said control unit is started.

4. (Currently Amended) The image recording apparatus according to claim 3, wherein

said scheduling information includes scheduling period data for scheduling a period of said recording operation,

said control unit further ~~including~~ comprising

a real time clock measuring real time, wherein

when a power supply to said control unit is started and if the real time measured by said real time clock is in a scheduling period indicated by said scheduling period data of said

scheduling information recorded in said information storing portion by said supply start time recording means, said control unit causes said recording portion to resume said recording operation based on said scheduling information.

5. (Original) The image recording apparatus according to claim 4, wherein
said recording medium is a hard disk.

6. (Original) The image recording apparatus according to claim 5, further comprising
a playback portion playing back and outputting the recorded contents of said recording medium.

7. (Original) The image recording apparatus according to claim 6, wherein power is supplied from a commercial power source, and the power supply from said commercial power source is interrupted by a power failure.

8. (Currently Amended) The image recording apparatus according to claim 1, wherein
recorded contents of said recording medium are retained after the interruption of the power supply,

wherein said control unit further including comprises
an information storing portion retaining pre-recorded information during a period in which power is supplied to said control unit,
scheduling information recording means for accepting scheduling information ~~for scheduling said recording operation by said recording portion~~ and recording the accepted scheduling information in said recording medium and in said information storing portion, and

supply start time recording means for recording said scheduling information read from said recording medium in said information storing portion, when a power supply to said control unit is started.

9. (Currently Amended) The image recording apparatus according to claim 8, wherein

said scheduling information includes scheduling period data for scheduling a period of said recording operation,

said control unit further ~~including~~ comprising

a real time clock measuring real time, wherein

when a power supply to said control unit is started and if the real time measured by said real time clock is in a scheduling period indicated by said scheduling period data of said scheduling information recorded in said information storing portion by said supply start time recording means, said control unit causes said recording portion to resume said recording operation based on said scheduling information.

10. (Original) The image recording apparatus according to claim 1, wherein

said recording medium is a hard disk.

11. (Original) The image recording apparatus according to claim 1, further comprising

a playback portion playing back and outputting the recorded contents of said recording medium.

12. (Currently Amended) The image recording apparatus according to claim 1, wherein power is supplied from a commercial power source, ~~and the power supply from said commercial power source is interrupted by a power failure.~~

13. (Currently Amended) An image recording method, comprising:

a recording step of being supplied with power from a power source to record at least digital image information in a pre-prepared recording medium by files of fixed length;

a power interruption detecting step of detecting if previous power supply is interrupted during a recording operation; and

a recovering step of retrieving a file having been recorded at the interruption of the power supply from said files in said recording medium and terminating a process of recording data into the retrieved file as a file of fixed length so as to be readable and writable closing the retrieved file so as to be readable/writable, if the interruption of the power supply is detected in said power interruption detecting step,

wherein each of said files of fixed length is associated with address information in the recording media and the scheduling information for scheduling said recording operation.